

Journal of Power Sources 107 (2002) 309-313



www.elsevier.com/locate/jpowsour

Subject Index of Volume 107

Absorption kinetics

PVDF–HFP copolymer; VL/EC/LiTFSI plasticizer; Wettability (Caillon-Caravanier, M. (107) 125)

Absorptive glass mat

Acid-dripping speed; Plate-group pressure; Separator; Stratification; Valve-regulated lead-acid battery (Nakayama, Y. (107) 192)

Absorptive glass mat

Activated carbon fiber

Battery; Lead-acid; Separators; Valve-regulated (Zguris, G.C. (107) 187) Acid-dripping speed

Absorptive glass mat; Plate-group pressure; Separator; Stratification; Valve-regulated lead-acid battery (Nakayama, Y. (107) 192)

Tin nanoparticle; Lithium ion battery (Egashira, M. (107) 56)

Annealing

Tin; Electrodeposition; Interface strength; Tin-copper alloys (Tamura, N. (107) 48)

Antimony

Bismuth; Lead; Recycling; Silver; Valve-regulated lead-acid batteries (Stevenson, M.W. (107) 146)

Automotive battery

Lead-acid; Molecular weight; Oxidation resistance; Polyethylene separator; Resin (Wada, T. (107) 201)

Ball milling

Electrolyte matrix; Silicon carbide; Phosphoric acid fuel cell (Dheenadayalan, S. (107) 98)

Ball milling

Polymer electrolyte; Poly(ethylene oxide); Lithium battery; Sulfur (Shin, J.H. (107) 103)

Base electrocatalysts

Carbon monoxide; Fuel cells; Hydrogen oxidation; Poisoning; Tungsten carbide (McIntyre, D.R. (107) 67)

Battery controls and diagnostics

Efficiency; Electrical distribution system; Future automotive power; 42 V (Brost, R.D. (107) 217)

Battery separator

Industrial lead acid batteries; Corrugated; Porosity (Toniazzo, V. (107) 211)

Battery

Absorptive glass mat; Lead-acid; Separators; Valve-regulated (Zguris, G.C. (107) 187)

Bismuth

Antimony; Lead; Recycling; Silver; Valve-regulated lead-acid batteries (Stevenson, M.W. (107) 146)

Bismuth

Charging ability; Conversion indicator; Lead-acid battery; Negative plate; Partial state-of-charge (Lam, L.T. (107) 155)

Carbon monoxide

Base electrocatalysts; Fuel cells; Hydrogen oxidation; Poisoning; Tungsten carbide (McIntyre, D.R. (107) 67)

Charging ability

Bismuth; Conversion indicator; Lead-acid battery; Negative plate; Partial state-of-charge (Lam, L.T. (107) 155)

Charging efficiency

Formation; Furnace; Lead-acid battery; Red lead; Reserve capacity (McKinley, J.P. (107) 180)

Charging

Expander; Grid alloy; Lead-acid battery; Performance; Valve-regulated (Rand, D.A.J. (107) 280)

Chemical vapour deposition

Lithium secondary batteries; Synthetic graphite (MCMB); Tin-oxide; Copper coating; Fluidised-bed (Lee, J.K. (107) 90)

Chromium

Nickel hydroxide; Layered double hydroxide; Positive electrode; Manganese (Jayashree, R.S. (107) 120)

Composite

Polyaniline; Template; Polymeric battery (Neves, S. (107) 13)

Compression

Expanders; Fast charging; Lead-acid electric vehicle batteries; Separators; Tubular plates; Valve-regulated lead-acid batteries (Cooper, A. (107) 245)

Concentrated nonaqueous electrolytes

Limiting conductance at infinite dilution; Conductivity maximum; Viscosity; Dielectric constant (Herlem, G. (107) 80)

Conductivity maximum

Concentrated nonaqueous electrolytes; Limiting conductance at infinite dilution; Viscosity; Dielectric constant (Herlem, G. (107) 80)

Control system

Lead-acid battery; Partial-state-of-charge; Peru; Power supply; Remote area (Newnham, R.H. (107) 273)

Convergenc

Electrochemical reaction-diffusion; Non-linear analysis; Numerical algorithm; Thiele modulus (Duan, T. (107) 24)

Conversion indicator

Bismuth; Charging ability; Lead-acid battery; Negative plate; Partial state-of-charge (Lam, L.T. (107) 155)

Copper coating

Lithium secondary batteries; Synthetic graphite (MCMB); Tin-oxide; Fluidised-bed; Chemical vapour deposition (Lee, J.K. (107) 90)

Corrosion resistance

Lead-acid batteries; Specific energy; Specific power; Valve-regulated (Moseley, P.T. (107) 240)

Corrugated

Industrial lead acid batteries; Battery separator; Porosity (Toniazzo, V. (107) 211)

Dielectric constant

Concentrated nonaqueous electrolytes; Limiting conductance at infinite dilution; Conductivity maximum; Viscosity (Herlem, G. (107) 80)

Discharge capacity

Lithium cell; Self-discharge (Kim, H.-S. (107) 133)

Efficiency

Electrical distribution system; Battery controls and diagnostics; Future automotive power; 42 V (Brost, R.D. (107) 217)

Elsevier Science B.V.

Electric vehicle

Electrochemical impedance spectroscopy; Gelled-electrolyte; Leadacid battery; Silica soot (Wu, L. (107) 162)

Electrical distribution system

Efficiency; Battery controls and diagnostics; Future automotive power; $42\ V\ (Brost,\ R.D.\ (107)\ 217)$

Electrochemical atomic force microscopy

Expander; In situ observation; Lead-acid battery; Lignin; Negative electrodes (Ban, I. (107) 167)

Electrochemical impedance spectroscopy

Electric vehicle; Gelled-electrolyte; Lead-acid battery; Silica soot (Wu, L. (107) 162)

Electrochemical reaction-diffusion

Non-linear analysis; Numerical algorithm; Convergence; Thiele modulus (Duan, T. (107) 24)

Electrodeposition

Tin; Interface strength; Annealing; Tin–copper alloys (Tamura, N. (107) 48)

Electrolyte matrix

Ball milling; Silicon carbide; Phosphoric acid fuel cell (Dheenadayalan, S. (107) 98)

Electrolyte

Li-ion battery; SEI film; Spinel LiMn₂O₄; Graphite (Zhang, S.S. (107) 18)

Elevated temperature performance

Lithium secondary battery; LiMn₂O₄; LiNi_{1-X}Co_XO₂-coating; Solution-based chemical method (Park, S.-C. (107) 42)

Energetic and electrical parameters

Lithium trivanadate (bronze); Insertion of lithium; Quantum-chemistry calculations; Structure (Koval'chuk, E.P. (107) 61)

Expander

Charging; Grid alloy; Lead-acid battery; Performance; Valve-regulated (Rand, D.A.J. (107) 280)

Expander

Electrochemical atomic force microscopy; In situ observation; Lead-acid battery; Lignin; Negative electrodes (Ban, I. (107) 167)

Expanders

Compression; Fast charging; Lead-acid electric vehicle batteries; Separators; Tubular plates; Valve-regulated lead-acid batteries (Cooper, A. (107) 245)

Fast charging

Compression; Expanders; Lead-acid electric vehicle batteries; Separators; Tubular plates; Valve-regulated lead-acid batteries (Cooper, A. (107) 245)

Fluidised-bed

Lithium secondary batteries; Synthetic graphite (MCMB); Tin-oxide; Copper coating; Chemical vapour deposition (Lee, J.K. (107) 90) Formation

Charging efficiency; Furnace; Lead-acid battery; Red lead; Reserve capacity (McKinley, J.P. (107) 180)

FTIR

SnO; Nanometer; Lithium rechargeable batteries; Passivating layer (Li, J. (107) 1)

Fuel cells

Base electrocatalysts; Carbon monoxide; Hydrogen oxidation; Poisoning; Tungsten carbide (McIntyre, D.R. (107) 67)

Fuel management

Polymer electrolyte membrane fuel cell; Power generation system; Reliability; Thermal management; Water management (Lee, H.I. (107) 110)

Furnace

Charging efficiency; Formation; Lead-acid battery; Red lead; Reserve capacity (McKinley, J.P. (107) 180)

Future automotive power

Efficiency; Electrical distribution system; Battery controls and diagnostics; 42 V (Brost, R.D. (107) 217)

Gas diffusion electrode

Proton exchange membrane fuel cell; Membrane-electrode assembly; Pore-forming agent; Light weight material (Gamburzev, S. (107) 5)

Gel electrolyte

Silica sols; Valve-regulated lead-acid (VRLA) batteries (Lambert, D.W.H. (107) 173)

Gelled-electrolyte

Electric vehicle; Electrochemical impedance spectroscopy; Lead-acid battery; Silica soot (Wu, L. (107) 162)

Graphite

Li-ion battery; Electrolyte; SEI film; Spinel Li Mn_2O_4 (Zhang, S.S. (107) 18)

Grid alloy

Charging; Expander; Lead-acid battery; Performance; Valve-regulated (Rand, D.A.J. (107) 280)

High-power

36/42 V systems; Lithium-ion batteries; Nickel-metal-hydride; Power-Net; Valve-regulated lead-acid (Nelson, R.F. (107) 226)

Hydrogen oxidation

Base electrocatalysts; Carbon monoxide; Fuel cells; Poisoning; Tungsten carbide (McIntyre, D.R. (107) 67)

Impedance spectroscopy

Lithium cell; Nanocrystalline tin oxide; Transmission electron microscopy; X-ray diffraction (Chandra Bose, A. (107) 138)

In situ observation

Electrochemical atomic force microscopy; Expander; Lead-acid battery; Lignin; Negative electrodes (Ban, I. (107) 167)

Indexing

 β -Ni(OH)₂; γ -Phase; XPD; NPD; RDF (Eriksson, L. (107) 34)

Industrial lead acid batteries

Battery separator; Corrugated; Porosity (Toniazzo, V. (107) 211)

Insertion of lithium

Lithium trivanadate (bronze); Quantum-chemistry calculations; Structure; Energetic and electrical parameters (Koval'chuk, E.P. (107) 61) Interface strength

Tin; Electrode position; Annealing; Tin-copper alloys (Tamura, N. (107)48)

Layered double hydroxide

Nickel hydroxide; Positive electrode; Chromium; Manganese (Jayashree, R.S. (107) 120)

Lead

Antimony; Bismuth; Recycling; Silver; Valve-regulated lead-acid batteries (Stevenson, M.W. (107) 146)

Lead-acid battery

Bismuth; Charging ability; Conversion indicator; Negative plate; Partial state-of-charge (Lam, L.T. (107) 155)

Lead-acid battery

Charging efficiency; Formation; Furnace; Red lead; Reserve capacity (McKinley, J.P. (107) 180)

Lead-acid battery

Control system; Partial-state-of-charge; Peru; Power supply; Remote area (Newnham, R.H. (107) 273)

Lead-acid battery

Electric vehicle; Electrochemical impedance spectroscopy; Gelledelectrolyte; Silica soot (Wu, L. (107) 162)

Lead-acid battery

Electrochemical atomic force microscopy; Expander; In situ observation; Lignin; Negative electrodes (Ban, I. (107) 167)

Lead-acid

Automotive battery; Molecular weight; Oxidation resistance; Polyethylene separator; Resin (Wada, T. (107) 201)

Lead-acid batteries

Corrosion resistance; Specific energy; Specific power; Valve-regulated (Moseley, P.T. (107) 240)

Lead-acid battery

Charging; Expander; Grid alloy; Performance; Valve-regulated (Rand, D.A.J. (107) 280)

Lead-acid electric vehicle batteries

Compression; Expanders; Fast charging; Separators; Tubular plates; Valve-regulated lead-acid batteries (Cooper, A. (107) 245)

Lead-acid

Absorptive glass mat; Battery; Separators; Valve-regulated (Zguris, G.C. (107) 187)

Li-ion battery

Electrolyte; SEI film; Spinel $LiMn_2O_4$; Graphite (Zhang, S.S. (107) 18) Light weight material

Proton exchange membrane fuel cell; Gas diffusion electrode; Membrane–electrode assembly; Pore-forming agent (Gamburzev, S. (107) 5)

Lignin

Electrochemical atomic force microscopy; Expander; In situ observation; Lead-acid battery; Negative electrodes (Ban, I. (107) 167)

Limiting conductance at infinite dilution

Concentrated nonaqueous electrolytes; Conductivity maximum; Viscosity; Dielectric constant (Herlem, G. (107) 80)

LiMn₂O₄

Lithium secondary battery; LiNi $_{1-X}$ Co $_X$ O $_2$ -coating; Elevated temperature performance; Solution-based chemical method (Park, S.-C. (107) 42)

 $LiNi_{1-X}Co_XO_2$ -coating

Lithium secondary battery; LiMn₂O₄; Elevated temperature performance; Solution-based chemical method (Park, S.-C. (107) 42)

Lithium antimony alloy

Skutterudite; Lithium battery (Monconduit, L. (107) 74)

Lithium battery

Polymer electrolyte; Poly(ethylene oxide); Ball milling; Sulfur (Shin, J.H. (107) 103)

Lithium battery

Skutterudite; Lithium antimony alloy (Monconduit, L. (107) 74) Lithium cell

Discharge capacity; Self-discharge (Kim, H.-S. (107) 133)

Lithium cel

Impedance spectroscopy; Nanocrystalline tin oxide; Transmission electron microscopy; X-ray diffraction (Chandra Bose, A. (107) 138)

Lithium ion battery

Tin nanoparticle; Activated carbon fiber (Egashira, M. (107) 56)

Lithium rechargeable batteries

SnO; Nanometer; FTIR; Passivating layer (Li, J. (107) 1)

Lithium secondary batteries

Synthetic graphite (MCMB); Tin-oxide; Copper coating; Fluidised-bed; Chemical vapour deposition (Lee, J.K. (107) 90)

Lithium secondary battery

 $LiMn_2O_4$; $LiNi_{1-X}Co_XO_2$ -coating; Elevated temperature performance; Solution-based chemical method (Park, S.-C. (107) 42)

Lithium trivanadate (bronze)

Insertion of lithium; Quantum-chemistry calculations; Structure; Energetic and electrical parameters (Koval'chuk, E.P. (107) 61)

Lithium-ion batteries

36/42 V systems; High-power; Nickel-metal-hydride; PowerNet; Valve-regulated lead-acid (Nelson, R.F. (107) 226)

Manganese

Nickel hydroxide; Layered double hydroxide; Positive electrode; Chromium (Jayashree, R.S. (107) 120)

Membrane-electrode assembly

Proton exchange membrane fuel cell; Gas diffusion electrode; Poreforming agent; Light weight material (Gamburzev, S. (107) 5)

Molecular weight

Automotive battery; Lead-acid; Oxidation resistance; Polyethylene separator; Resin (Wada, T. (107) 201)

Nanocrystalline tin oxide

Impedance spectroscopy; Lithium cell; Transmission electron microscopy; X-ray diffraction (Chandra Bose, A. (107) 138)

Nanometei

SnO; Lithium rechargeable batteries; FTIR; Passivating layer (Li, J. (107) 1)

Negative electrodes

Electrochemical atomic force microscopy; Expander; In situ observation; Lead-acid battery; Lignin (Ban, I. (107) 167)

Negative plate

Bismuth; Charging ability; Conversion indicator; Lead-acid battery; Partial state-of-charge (Lam, L.T. (107) 155)

Nickel hydroxide

Layered double hydroxide; Positive electrode; Chromium; Manganese (Jayashree, R.S. (107) 120)

Nickel-metal-hydride

36/42 V systems; High-power; Lithium-ion batteries; PowerNet; Valveregulated lead-acid (Nelson, R.F. (107) 226)

 β -Ni(OH)₂

 $\beta\text{-NiOOH}; \gamma\text{-Phase}; XPD; NPD; RDF; Indexing (Eriksson, L. (107) 34) <math display="inline">\beta\text{-NiOOH}$

 β -Ni(OH)₂; γ -Phase; XPD; NPD; RDF; Indexing (Eriksson, L. (107) 34) Non-linear analysis

Electrochemical reaction–diffusion; Numerical algorithm; Convergence; Thiele modulus (Duan, T. (107) 24)

NPD

β-NiOOH; β-Ni(OH)₂; γ-Phase; XPD; RDF; Indexing (Eriksson, L. (107) 34)

Numerical algorithm

Electrochemical reaction—diffusion; Non-linear analysis; Convergence; Thiele modulus (Duan, T. (107) 24)

Oxidation resistance

Automotive battery; Lead-acid; Molecular weight; Polyethylene separator; Resin (Wada, T. (107) 201)

Partial state-of-charge

Bismuth; Charging ability; Conversion indicator; Lead-acid battery; Negative plate (Lam, L.T. (107) 155)

Partial-state-of-charge

Control system; Lead-acid battery; Peru; Power supply; Remote area (Newnham, R.H. (107) 273)

Passivating layer

SnO; Nanometer; Lithium rechargeable batteries; FTIR (Li, J. (107) 1) Performance

Charging; Expander; Grid alloy; Lead-acid battery; Valve-regulated (Rand, D.A.J. (107) 280)

Peru

Control system; Lead-acid battery; Partial-state-of-charge; Power supply; Remote area (Newnham, R.H. (107) 273)

γ-Phase

β-NiOOH; β-Ni(OH)₂; XPD; NPD; RDF; Indexing (Eriksson, L. (107) 34)

Phosphoric acid fuel cell

Ball milling; Electrolyte matrix; Silicon carbide (Dheenadayalan, S. (107) 98)

Plate-group pressure

Absorptive glass mat; Acid-dripping speed; Separator; Stratification; Valve-regulated lead-acid battery (Nakayama, Y. (107) 192)

Poisoning

Base electrocatalysts; Carbon monoxide; Fuel cells; Hydrogen oxidation; Tungsten carbide (McIntyre, D.R. (107) 67)

Poly(ethylene oxide)

Polymer electrolyte; Ball milling; Lithium battery; Sulfur (Shin, J.H. (107) 103)

Polyaniline

Composite; Template; Polymeric battery (Neves, S. (107) 13)

Polyethylene separator

Automotive battery; Lead-acid; Molecular weight; Oxidation resistance; Resin (Wada, T. (107) 201)

Polymer electrolyte membrane fuel cell

Power generation system; Reliability; Fuel management; Thermal management; Water management (Lee, H.I. (107) 110)

Polymer electrolyte

Poly(ethylene oxide); Ball milling; Lithium battery; Sulfur (Shin, J.H. (107) 103)

Polymeric battery

Polyaniline; Composite; Template (Neves, S. (107) 13)

Pore-forming agent

Proton exchange membrane fuel cell; Gas diffusion electrode; Membrane-electrode assembly; Light weight material (Gamburzev, S. (107) 5)

Porosity

Industrial lead acid batteries; Battery separator; Corrugated (Toniazzo, V. (107) 211)

Positive electrode

Nickel hydroxide; Layered double hydroxide; Chromium; Manganese (Jayashree, R.S. (107) 120)

Power generation system

Polymer electrolyte membrane fuel cell; Reliability; Fuel management; Thermal management; Water management (Lee, H.I. (107) 110)

Power supply

Control system; Lead-acid battery; Partial-state-of-charge; Peru; Remote area (Newnham, R.H. (107) 273)

PowerNet |

36/42 V systems; High-power; Lithium-ion batteries; Nickel-metal-hydride; Valve-regulated lead-acid (Nelson, R.F. (107) 226)

Proton exchange membrane fuel cell

Gas diffusion electrode; Membrane-electrode assembly, Pore-forming agent; Light weight material (Gamburzev, S. (107) 5)

PVDF-HFP copolymer

VL/EC/LiTFSI plasticizer; Wettability; Absorption kinetics (Caillon-Caravanier, M. (107) 125)

Quantum-chemistry calculations

Lithium trivanadate (bronze); Insertion of lithium; Structure; Energetic and electrical parameters (Koval'chuk, E.P. (107) 61)

RDF

β-NiOOH; β-Ni(OH)₂; γ-Phase; XPD; NPD; Indexing (Eriksson, L. (107) 34)

Recycling

Antimony; Bismuth; Lead; Silver; Valve-regulated lead-acid batteries (Stevenson, M.W. (107) 146)

Red lead

Charging efficiency; Formation; Furnace; Lead–acid battery; Reserve capacity (McKinley, J.P. (107) 180)

Reliability

Polymer electrolyte membrane fuel cell; Power generation system; Fuel management; Thermal management; Water management (Lee, H.I. (107) 110)

Remote area

Control system; Lead-acid battery; Partial-state-of-charge; Peru; Power supply (Newnham, R.H. (107) 273)

Reserve capacity

Charging efficiency; Formation; Furnace; Lead-acid battery; Red lead (McKinley, J.P. (107) 180)

Resin

Automotive battery; Lead-acid; Molecular weight; Oxidation resistance; Polyethylene separator (Wada, T. (107) 201)

SEI film

Li-ion battery; Electrolyte; Spinel LiMn₂O₄; Graphite (Zhang, S.S. (107) 18)

Self-discharge

Lithium cell; Discharge capacity (Kim, H.-S. (107) 133)

Separator

Absorptive glass mat; Acid-dripping speed; Plate-group pressure; Stratification; Valve-regulated lead-acid battery (Nakayama, Y. (107) 192)

Separators

Absorptive glass mat; Battery; Lead-acid; Valve-regulated (Zguris, G.C. (107) 187)

Separators

Compression; Expanders; Fast charging; Lead-acid electric vehicle batteries; Tubular plates; Valve-regulated lead-acid batteries (Cooper, A. (107) 245)

Silica sols

Gel electrolyte; Valve-regulated lead-acid (VRLA) batteries (Lambert, D.W.H. (107) 173)

Silica soot

Electric vehicle; Electrochemical impedance spectroscopy; Gelledelectrolyte; Lead-acid battery (Wu, L. (107) 162)

Silicon carbide

Ball milling; Electrolyte matrix; Phosphoric acid fuel cell (Dheena-dayalan, S. (107) 98)

Silver

Antimony; Bismuth; Lead; Recycling; Valve-regulated lead-acid batteries (Stevenson, M.W. (107) 146)

Skutterudite

Lithium battery; Lithium antimony alloy (Monconduit, L. (107) 74) SnO

Nanometer; Lithium rechargeable batteries; FTIR; Passivating layer (Li, J. (107) 1)

Solution-based chemical method

Lithium secondary battery; LiMn₂O₄; LiNi_{1-X}Co_XO₂-coating; Elevated temperature performance (Park, S.-C. (107) 42)

Specific energy

Corrosion resistance; Lead-acid batteries; Specific power; Valve-regulated (Moseley, P.T. (107) 240)

Specific power

Corrosion resistance; Lead-acid batteries; Specific energy; Valve-regulated (Moseley, P.T. (107) 240)

Spinel LiMn₂O₄

Li-ion battery; Electrolyte; SEI film; Graphite (Zhang, S.S. (107) 18)

Absorptive glass mat; Acid-dripping speed; Plate-group pressure; Separator; Valve-regulated lead-acid battery (Nakayama, Y. (107) 192)

tructure

Lithium trivanadate (bronze); Insertion of lithium; Quantum-chemistry calculations; Energetic and electrical parameters (Koval'chuk, E.P. (107) 61)

Sulfur

Polymer electrolyte; Poly(ethylene oxide); Ball milling; Lithium battery (Shin, J.H. (107) 103)

Synthetic graphite (MCMB)

Lithium secondary batteries; Tin-oxide; Copper coating; Fluidised-bed; Chemical vapour deposition (Lee, J.K. (107) 90)

Template

Polyaniline; Composite; Polymeric battery (Neves, S. (107) 13)

Thermal management

Polymer electrolyte membrane fuel cell; Power generation system; Reliability; Fuel management; Water management (Lee, H.I. (107) 110)

Thiele modulus

Electrochemical reaction-diffusion; Non-linear analysis; Numerical algorithm; Convergence (Duan, T. (107) 24)

Tin nanoparticle

Activated carbon fiber; Lithium ion battery (Egashira, M. (107) 56)

Tin

Electrodeposition; Interface strength; Annealing; Tin-copper alloys (Tamura, N. (107) 48)

Tin-copper alloys

Tin; Electrodeposition; Interface strength; Annealing (Tamura, N. (107) 48)

Tin-oxide

Lithium secondary batteries; Synthetic graphite (MCMB); Copper coating; Fluidised-bed; Chemical vapour deposition (Lee, J.K. (107) 90)

Transmission electron microscopy

Impedance spectroscopy; Lithium cell; Nanocrystalline tin oxide; X-ray diffraction (Chandra Bose, A. (107) 138)

Tubular plates

Compression; Expanders; Fast charging; Lead-acid electric vehicle batteries; Separators; Valve-regulated lead-acid batteries (Cooper, A. (107) 245)

Tungsten carbide

Base electrocatalysts; Carbon monoxide; Fuel cells; Hydrogen oxidation; Poisoning (McIntyre, D.R. (107) 67)

42 V

Efficiency; Electrical distribution system; Battery controls and diagnostics; Future automotive power (Brost, R.D. (107) 217)

36/42 V systems

High-power; Lithium-ion batteries; Nickel-metal-hydride; PowerNet; Valve-regulated lead-acid (Nelson, R.F. (107) 226)

Valve-regulated lead-acid battery

Absorptive glass mat; Acid-dripping speed; Plate-group pressure; Separator; Stratification (Nakayama, Y. (107) 192)

Valve-regulated lead-acid

36/42 V systems; High-power; Lithium-ion batteries; Nickel-metal-hydride; PowerNet (Nelson, R.F. (107) 226)

Valve-regulated lead-acid (VRLA) batteries

Gel electrolyte; Silica sols (Lambert, D.W.H. (107) 173)

Valve-regulated lead-acid batteries

Antimony; Bismuth; Lead; Recycling; Silver (Stevenson, M.W. (107) 146)

Valve-regulated lead-acid batteries

Compression; Expanders; Fast charging; Lead-acid electric vehicle batteries; Separators; Tubular plates (Cooper, A. (107) 245)

Valve-regulated

Absorptive glass mat; Battery; Lead-acid; Separators (Zguris, G.C. (107) 187)

Valve-regulated

Charging; Expander; Grid alloy; Lead-acid battery; Performance (Rand, D.A.J. (107) 280)

Valve-regulated

Corrosion resistance; Lead-acid batteries; Specific energy; Specific power (Moseley, P.T. (107) 240)

Viscosity

Concentrated nonaqueous electrolytes; Limiting conductance at infinite dilution; Conductivity maximum; Dielectric constant (Herlem, G. (107) 80)

VL/EC/LiTFSI plasticizer

PVDF–HFP copolymer; Wettability; Absorption kinetics (Caillon-Caravanier, M. (107) 125)

Water management

Polymer electrolyte membrane fuel cell; Power generation system; Reliability; Fuel management; Thermal management (Lee, H.I. (107) 110)

Wettability

PVDF–HFP copolymer; VL/EC/LiTFSI plasticizer; Absorption kinetics (Caillon-Caravanier, M. (107) 125)

X-ray diffraction

Impedance spectroscopy; Lithium cell; Nanocrystalline tin oxide; Transmission electron microscopy (Chandra Bose, A. (107) 138)

XPD

β-NiOOH; β-Ni(OH)₂; γ-Phase; NPD; RDF; Indexing (Eriksson, L. (107) 34)